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Next 1 Page(s) In Document Exempt

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Enclosure

7 March 1973

## WORK STATEMENT

### IHC SUPPORT GROUP TECHNICAL ASSISTANCE

#### 1.0 BACKGROUND

The Intelligence Information Handling Committee of the USIB, in concert with its subcommittees and other USIB committees, will examine and analyze the intelligence information and data handling needs, capabilities and potential of available and planned resources. Additionally, it will maintain cognizance of research and development efforts within and external to the community for the purpose of eventually taking advantage of these efforts. It will also evaluate proposed new requirements and capabilities.

#### 2.0 SCOPE

Definition and implementation of studies and analyses required by the IHC will be accomplished by the IHC Support Staff and the subcommittees of the IHC as directed by the Chief of the IHC Support Staff. The IHC/SS will need technical expertise in areas of communications, data processing, teleprocessing, man-machine interaction, system analysis and synthesis, information processing and handling and other technical disciplines. The tasks covered by this work statement are intended to augment the technical expertise in these areas resident on the support staff, the subcommittees and the IHC and to fill in those areas of expertise which may not be covered by available personnel.

#### 3.0 TASK DESCRIPTIONS

TASK 1 - Under this task, technical assistance will be provided for the preparation of a comprehensive Register of Community Intelligence Information Systems and evaluation of the present Intelligence Information Handling capabilities of the community. Specifically, assistance will be provided in defining the assets included in the system, identifying the information flow through the system, defining and quantifying important system parameters and estimating the actual values of these parameters. Parameters are expected to include timeliness, correlation capability, accuracy, resolution, importance of data, and cost.

The baseline description is to be in sufficient detail to identify potential areas of system improvement, system cost reduction, and areas of in-depth analysis by the IHC subcommittees.

TASK 2 - Ad Hoc technical support to the subcommittees will be provided in areas such as software, ADPE, communications/teleprocessing analysis, cost/benefit analysis, and data correlation technology. It is expected, under this task, that specific short term analyses and specific pieces of available technical information will be provided to the subcommittees.

TASK 3 - The IHC/SS will be required to correlate IHC activities with the activities of other USIB committees. Interfaces will exist between systems and capabilities studied by other committees and those being analyzed by the IHC will include multi-source correlation of intelligence programs/systems. Trade-offs studies between these capabilities will also be required (for example - trade-offs between centralized processing vs. decentralized processing at a data handling center). Under this task, technical assistance will be provided to the IHC Support Staff in defining technical interfaces, performing trade-off studies and determining needs for standards.

TASK 4 - The IHC/SS will be required to correlate the activities of the IHC subcommittees. Technical assistance in interface definition and trade-off studies necessary to perform this correlation function will be provided under this task. Also, technical assistance will be rendered in integrating the findings of the subcommittees into the capability baseline via overall cost/benefit and trade-off studies.

TASK 5 - The development of on-line data management systems has provided the capabilities required for many users to concurrently access data bases maintained by these systems through the use of query languages. However, many different query languages have been developed for each system and application. As a result a user must learn and know how to use a variety of query languages. While it is reasonable to expect a programmer to know a variety of languages, multiple query languages place an unnecessary burden on the real users of an on-line data management system. This task will address the solution (addressing both hardware and software) to develop a standardized intelligence information query language. This task could be performed directly under the IHC/SS and/or IHC committees or assigned to an executive agency under IHC/SS management review.

TASK 6 - Automation of the IHC Register of Community Intelligence Information Systems and other IHC/SS tasks.

TASK 7 - Wideband Digital Data Transmission Study.  
Determine the optimum bandwidth transmission techniques and data rates for imagery exchange based upon users needs. Consider rapid as well as slow (buffered) techniques to include cryptographic capabilities.  
Determine cost/benefit trade-off rationale to support the techniques which would be applied to users needs (requirements).

#### 4.0 PHASING AND MANNING

Initially, support will be provided on Task 1. It is expected that this technical support will consist of one fully supported member of the technical staff for three months. The support will be responsive to the guidance of the Chief of the Support Staff. At the end of that period further definition of specific support sub-tasks should be available.

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1 March 1973

STAT MEMORANDUM FOR:

SUBJECT : Intelligence Community Staff Program  
Call, FY-1975

1. To assist in preparing the IC Staff Program Call for FY-1975, I would appreciate receiving your estimate of expenses in the following categories:

- a. Planned use of contract personnel: number, type (contract employee, independent contractor), amount to be paid, justification and duration of use.
- b. Anticipated travel; number of trips, duration, destination and amount involved.
- c. External training: number of courses and dollar amounts involved.
- d. Equipment - purchase and lease: kind, justification and dollar amount.
- e. Research contracts: number, reason and dollar amount.

2. I would appreciate your estimates by close of business 9 March 1973.

AO/ICS

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